

Agriculture by Province

BADAKHSHAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID prepares farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, improved irrigation, and training. Community members in Badakhshan also benefit from training and survey work related to wildlife conservation, which will facilitate future household economic opportunities.

Current Activities:

- Construct rural infrastructure using community labor for increased economic benefit to households; sustainable agricultural production of annual crops (including vegetable and staple crops), perennial crops, and poultry value chain expansion; enterprise development; increasing the economic viability and capacity of agricultural related input supplier businesses
- Establish a profitable community-owned enterprise in Ishkashim for the people of Wakhan District wherby individuals can sell their handicrafts and generate income
- Develop the Wakhan-Pamir Association into a self-sustaining organization with the capacity to fund and manage conservation and development activities

- Distributed more than \$533,000 in wages on 17 cash-for-work projects
- Established more than 260 lead farmer plots in 12 districts where 12,000 farmers received training related to modern crop production practices and pest control
- Provided agricultural and livestock inputs to more than 9,100 farmers such as improved vegetable seeds, certified fruit saplings for orchards, fertilizer, pruning tools, pullets, poultry feed, wire mesh, windows, doors for the construction of chicken coops, balanced animal feed, bee hives, empty boxes for bee keeping, and tools
- Improved irrigation systems to make more than 30,000 hectares of farmland more productive
- Established 33 veterinary field units and one veterinary laboratory; trained 40 veterinary staff who are now practicing; and vaccinated 1.27 million animals (healthier animals lead to increased income, food security, and improved local economies)
- Constructed 20 new roads totaling 278 km through the major poppy growing districts
- Built eight bridges and more than 200 culverts to improve both irrigation and transportation
- Provided improved soil stability and water supply to farmers by rehabilitating 355 km of irrigation canals, constructing two dams, and constructing more than 400 erosion barriers
- Strengthened the operational capacity of 12 agricultural cooperatives with more than 6,500 members in five districts
- Constructed an agricultural extension building for the provincial directorate of the MAIL
- Improved the economic livelihoods of 450 women in five districts through home-based nursery and poultry projects that included planting more than 48,500 trees and the installation of plastic tunnels by 130 women to grow herbs and vegetables beyond the traditional growing season



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- Provided computer and business skills training to more than 3,580 Afghans
- Constructed 25 root cellars to store potato seed through winter months, protecting it from extreme
 weather that reduced crop loss due to weather by 50 percent and allow farmers to store and sell potatoes
 during winter months for a higher profit
- Tripled the electricity generation capacity in Fayzabad and Baharak through upgrades to hydropower plants from rebuilt turbines and new power canals
- Brought 63,000 hectares of land under improved natural resource management and trained 13 staff of the provincial agriculture department in natural resource management in partnership with the University of California-Davis
- Assisted Wakhan communities to form the Wakhan-Pamirs Conservation Association, which provided community-based natural resource management of proposed protected areas covering 42 villages
- Piloted Afghanistan's first livestock insurance program in Sarkand village, Wakhan Corridor, in order to help mitigate the impact of livestock depredation by snow leopards, wolves, and lynx.
- Trained 17 men as rangers in the Kyrgyz little Pamir community
- Assisted MAIL to recruit five of the Wakhi community rangers into government ranger jobs, the first government ranger jobs for Badakhshan
- Distributed 442 metric tons of wheat seed and 1,326 metric tons of fertilizer through a voucher system benefitting 8,840 farmers via the 2010 MAIL National Seed Distribution Program

BADGHIS PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID prepares farmers to participate in a modern agricultural economy through veterinary services, improved irrigation, training, and food security.

Current Activities:

- · Rehabilitate irrigation canals
- Build a market to increase agricultural trade in the area
- Improve wool harvest and processing

- Rehabilitated one canal to provide a reliable water supply to farmers
- Provided training to increase farmers' agricultural knowledge and to promote direct linkages between food brokers and farmers
- Established 20 rural farm stores in seven districts of the province, trained 15 staff, and established a
 provincial association of store owners
- Established 27 veterinary field units, trained 31 para-veterinarians, and administered more than three million vaccines and other medications
- Trained four technicians on using the National Agriculture Information System
- Distributed approximately 16,000 seed and fertilizer vouchers



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- Initiated three community constructed irrigation and canal protection projects that will protect 2,050 jeribs
 of agricultural land serving more than 1,100 families and have provided more than \$24,800 in wages for
 more than 240 affected community members working on these projects
- Established six wool spinning and carpet associations for women to produce their own yarn for carpet production
- Contributed to the development of the Rangeland Law on behalf of herders
- Trained Kuchi leaders in peace and negotiation methods
- Supported provincial Kuchi Shura
- Paid \$522,700 in wages on 25 cash-for-work projects in Badghis
- Dewormed 941,000 sheep and goats
- Conducted melon fly training for more than 20,000 people resulting in a 118 percent increase in melon production

BAGHLAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID prepares farmers to participate in a modern agricultural economy through improved irrigation, agricultural inputs, veterinary services, financial systems, market information, and training.

Current Activities:

- Improve rural roads and irrigate crop areas
- Train farmers on commercial vegetables, oilseeds, rice, feed crops, high-value crops, grapes, timber, fruit and nut orchards, and nurseries
- Train farmers and MAIL staff on improved livestock practices
- Increase the economic viability and capacity of agricultural related input supplier businesses in anticipation that there will be a stimulus effect leading to the creation of employment opportunities

- Constructed/rehabilitated four canals (147.8 km), which include the Ab Qul Canal, the Darqad Canal Structure, and the Gurgurak Canal
- Provided five agri-input dealer trainings, conducted a two-day fertilizer workshop, and provided technical assistance to beekeepers
- Established 27 veterinary field units and trained 32 para-veterinarians, who have provided more than two
 million vaccinations
- Distributed approximately 43,000 vouchers for seeds and fertilizer
- Established 11 AgDepot stores that cover ten districts and are owned by eleven different private-sector operators (AgDepot stores are private, full-service farm stores that provide agriculture supplies and services to support key licit crops and complement other value chain development efforts)
- Promoted economic expansion in Baghlan by establishing seven micro-finance institutions, which have issued 3,487 loans



Agriculture by Province

- Brought 45,000 hectares of land under improved natural resource management and trained seven staff of the Provincial Agriculture Department in natural resource management
- Distributed improved wheat seed and fertilizer, developed four rural poultry production activities, and conducted two sun pest control activities
- Trained seven Afghan government officials from MAIL, the National Environmental Protection Agency, and other related organizations on community-based natural resource management practices
- Approved a line of credit to the Islamic Investment and Finance Cooperative Group to support farmers with agricultural inputs
- Conducted a rangeland survey
- Contributed to the development of the rangeland law
- Trained Kuchi leaders in peace and negotiation methods and conflict resolution
- Institutionalized three rangeland management technologies within the Ministry of Agriculture
- Paid \$770,000 in wages directly to communities on 33 cash-for-work projects
- Established 902 lead farmer plots in seven districts, where 9,700 farmers received training related to modern crop production practices, orchard layout, irrigation systems, fertilizer use, pruning techniques, and pest control
- Trained 318 women on gabion-weaving skills, who later weaved 13,000 gabions that were used for construction of flood protection walls in five districts
- Improved income for 210 rural women through the poultry project

BALKH PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, improved irrigation, and training.

Current Activities:

- Provide agriculture education opportunities for students and faculty members of Balkh University through curriculum development through strengthening the capacity of the faculty members, farm research activities, and demonstration plots for students and faculty, and English language courses
- Facilitate the establishment of a soil laboratory in partnership with Balkh University to provide farmers with guidance on growing crops on specific soils
- Conduct capacity-building activities on efficient use of water for irrigation, such as demonstrations on different types of irrigation systems and measuring water available for irrigation, complemented by classroom and on-farm training on improved agriculture technologies for MAIL and Ministry of Energy and Water staff, students, and faculty members of Balkh University, and members of the *mirab* (collective water management system)
- Provide accessible and affordable agricultural inputs improved seed varieties and fertilizer and promote the increased production of wheat, while building the capacity of the emerging private sector seed industry and input supply system



Agriculture by Province

- Establish demonstration plots of wheat and forage crops and training of farmers to identify appropriate
 agricultural technologies to increase agricultural productivity in areas subject to seasonal drought and
 high risks of land degradation, deforestation, or loss of biodiversity
- Rehabilitate upper watersheds (250 hectares of land)
- Create full-time jobs from irrigation system repair activities
- Train farmers to use improved methods of cultivation and achieve an increase in yields over previous methods
- Conduct women's silkworm and wool training and market development for women
- Strengthen the network of agricultural retailers to ensure the sustainable availability of high-quality inputs and develop extension services able to improve basic orchard management
- Facilitate the installation of a modern fruit and vegetable packing facility with cold storage rooms on a shared-cost basis agreement with an Afghan company
- Establish associations and provide training and equipment to strengthen existing AgDepots
- Provide training, assist in awareness campaigns, and link existing Veterinary Field Units to high-quality medicines and vaccines

- Funded Balkh University agricultural research projects
- Established a soil laboratory at Balkh University for use by farmers and students
- Brought 85,000 hectares of land under improved natural resource management and trained eight staff of the provincial Agriculture Department in natural resource management
- Constructed or rehabilitated 130 km of farm-to-market roads, significantly decreasing transport time for farmers and providing employment and training for local workers
- Funded eight micro-credit institutions to assist in restoring rural financial systems and encourage commercial banks to extend revolving agricultural loans for agribusiness
- Rehabilitated two canals and constructed the Samar Kandian Cross-River Weir (low-head dam) to provide a reliable water supply to farmers
- Developed infrastructure at the Mazari Sharif fairgrounds and held two agriculture fairs (AgFairs) to promote northern Afghanistan's agricultural products and facilitate trade
- Trained National Environmental Protection Agency officials on participatory natural resource management topics, which included encouraging cultural leaders to incorporate environmental messages into their communications with the public
- Installed eight farm turnouts
- Established 64 demonstration plots of wheat and forage crops and trained 686 farmers
- Trained 178 staff members of the Afghan government, universities, and agricultural vocational schools in irrigation and agricultural production technologies
- Trained more than 25,500 farmers on melon fly control
- Established 19 AgDepots
- Supported 33 Veterinary Field Units (private businesses that provide preventive animal health and treatment services to rural communities) that vaccinated 260,902 animals, treated 2,042,672 animals, and generated \$122,000 in gross sales
- Provided support in packing, sorting, technical assistance, customs, cargo, and linkages between local and international buyers for 106 metric tons of fresh fruit valued at \$64,000
- Created linkages between Afghan farmers, traders, and the Afghan government, and provided a venue to discuss activities, challenges, and lessons learned



Agriculture by Province

- Organized a road show in Mazari Sharif for farmers, herders, and traders as well as government officials, and other agriculture stakeholders
- Implemented cash-for-work projects that have employed more than 13,000 workers and have provided rural families in Balkh Province with much needed income

BAMYAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) intensifying agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorating agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitating watersheds and improved irrigation infrastructure. Also, strengthen Afghans' confidence in their government by increasing Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, financial systems, and training. USAID also promotes natural resource and biodiversity conservation in Bamyan province.

Current Activities:

- Train and equip community rangers for Band-e-Amir National Park (BANP) the Northern Plateau and Ajar Valley
- Create social organizations, educate the community about the value of BANP, and develop new revenue sources related to park tourism
- Provide full-time consultant to BANP, develop final management plan, hire community liaison personnel, and support the park warden
- Provide credit to commercial potato growers to access better agricultural inputs aiming at enhancing vields
- Restore arable areas and protect pasture area
- Plant approximately 43,000 additional saplings and cuttings
- Support new mud-walled and iron-framed greenhouses
- Train farmers in improved agro-techniques and practices
- Establish a new collective center, new farmer groups, and new women's groups, linking approximately 400 new farmers and women into marketing cluster, providing ongoing business and marketing trainings to beneficiaries
- Provide technical assistance to farmers to enhance their capacity for orchard management.
- Provide technical assistance to poultry and kitchen garden beneficiaries to enhance their capacity in poultry management

DAYKUNDI PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.



Agriculture by Province

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities.

Current Activities:

 Provide accessible and affordable agricultural inputs – improved seed varieties and fertilizer – and promote the increased production of wheat, while building the capacity of the emerging private-sector seed industry and input supply system

Accomplishments:

• Distributed 97 metric tons of seed and 291 metric tons of fertilizer through a voucher system benefitting 1,940 farmers during the current planting season

FARAH PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance

Summary: USAID is preparing farmers to participate in a modern agricultural economy through veterinary services, improved water management, and training.

- Provided improved water supply to farmers, rehabilitated 45 canals and karezes
- Established 12 veterinary field units, which are independently operated by 12 trained para- veterinarians who continue to deliver life-saving vaccinations and other essential medications
- Installed an AgNet Internet communications system and weather station in the provincial MAIL, providing access to the National Agriculture Information System (NAIS) database
- Helped 4,400 women with poultry production, egg marketing, and business skills while promoting sustainable agriculture
- Rehabilitated more than 156 kilometers of gravel roadways and 414 kilometers of irrigation canals
- Distributed 15,000 seed and fertilizer vouchers
- Provided more than \$260,000 in wages to 1,265 Afghans through cash-for-work projects
- Trained the provincial AgNet officer, who now collects and transmits local weather, market price, and agricultural production data to ministry headquarters and local farmers
- Provided training to increase farmers' agricultural knowledge and to promote direct linkages between food brokers and farmers
- Trained more than 3,000 poppy growers in licit alternative livelihood crops, new technologies, and improved agricultural practices
- Initiated alternative crop cultivation on 3,000 hectares of land, benefiting almost 4,000 families
- Trained 250 master trainers who have subsequently trained more than 23,000 farmers
- Provided 26 sets of farm tractors and machinery as in-kind grant program to 22 farmer cooperatives
- Donated and installed 500 greenhouses with production now generating a gross annual income of approximately \$3,400 per greenhouse



Agriculture by Province

- Rehabilitated and improved more than 375 km of canals
- Constructed a wholesale produce market in Farah town that contains modernized space for 80 fruit and vegetable wholesale traders
- Contributed to the development of the rangeland law
- Trained Kuchi leaders in peace and negotiation methods

FARYAB PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increasing Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: The Alternative Development and Agriculture Program in Faryab Province focuses on preparing farmers to participate in a modern agricultural economy through veterinary services, improved water management, and training.

Current Activities:

- Establish 10khw micro-hydro power plants
- Train farmers using improved methods of cultivation to achieve an increase in yields over previous methods
- Provide silkworm and wool training and market development training for women
- Strengthen the network of agricultural retailers to ensure the sustainable availability of high quality inputs, developing extension services able to improve basic orchard management in cooperation with the Afghan government
- Train Kuchi leaders in peace and negotiation methods and conflict resolution
- Plant commercial almond orchards
- Support veterinary field units to deliver animal health services such as vaccinations and medications and train herders on herd health packages
- Conduct veterinary courses for veterinary field units
- Establish a milk collection and processing center
- Train women on improved cattle management

- Provided a line of credit to the Islamic Investment and Finance Cooperative Group to support farmers with agricultural inputs
- Carried out a campaign to treat 330,800 animals against internal parasites, benefitting 5,400 livestock owners
- Conducted a rangeland survey
- Constructed 10 micro-hydropower plants in remote areas bringing electric power to 1,210 families
- Contributed to the development of a rangeland law
- Created 20 community-based nurseries, 60 private nurseries, and 35 forest-based nurseries to provide farmers with legal income-generation resources and to create a source of reforestation materials
- Distributed 24,000 vouchers for affordable agricultural inputs (seed and fertilizer)



Agriculture by Province

- Established 10 ha of commercial almond orchards in Maymana and Pashtun Kot districts
- Established 23 retail-level AgDepot farm stores, which are privately owned and operated
- Established 29 veterinary field units and trained 29 para-veterinarians
- Established the AgNet internet communications system and weather station in the provincial MAIL office to provide access to the National Agriculture Information System database for extension workers, producers, and MAIL planners
- Granted \$89,700 worth of inputs for subsidized sale to farmers
- Increased community knowledge of forestry and good environmental practices
- Increased farmers' agricultural knowledge through six training sessions and promoted direct linkages between food brokers and farmers
- Institutionalized three rangeland management technologies within MAIL
- Organized 45 agricultural retailers into a provincial association
- Planted 28,000 trees and rehabilitated 250 hectares of pistachio woodland to improve the environment and reestablish a traditional income-generating natural resource
- · Provided training in business management and accounting
- Provided training to 10,670 farmers on melon fly control
- Rehabilitated 52 km of the Bilchiragh District main road, providing 50 full-time jobs, and \$90,700 in wages
- Rehabilitated or constructed 100 canals and five dams
- Started 200 new businesses, 125 of which are women-owned silkworm micro-enterprises
- Trained 780 individuals on best agricultural practices and natural resource management, distributed 9,100 storybooks and other promotional materials, and helped form 40 village environmental committees
- Trained the AgNet officer, who now collects and transmits local weather, market price, and agricultural production data to ministry headquarters and local farmers

GHAZNI PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID prepares farmers to participate in a modern agricultural economy through improved agricultural opportunities, road rehabilitation, and training.

Current Activities:

- Provide technical assistance and technical training to area farmers
- Providing technical assistance to farmers to enhance their capacity for orchard management
- Train Kuchi leaders in peace and negotiation methods and conflict resolution
- Improve the quality of grapes through vineyard trellising

Accomplishments:

• Provided three village-based seed enterprises, six greenhouses, and 30 demonstration farms to strengthen commercial agricultural opportunities



Agriculture by Province

- Funded the construction or rehabilitation of more than 120 km of farm-to-market roads and rehabilitated a
 bridge connecting Ghazni-Hazarajat market centers to decrease transport time for farmers and provide
 employment and training for local workers (farm-to-market transportation is key to promoting agricultural
 growth)
- Improved women's economic opportunities through assistance to a feed mill program and a women's poultry project that assisted more than 3,600 women with poultry production, egg marketing, and business skills while promoting sustainable agriculture
- Identified new markets for agricultural enterprises in the P2KG region (Paktya, Paktika, Khost, and southeast Ghazni)
- Established the Ghazni farm service center that provides agricultural inputs and services to the farmers and has produced sales of \$14.9 million, created 44 full-time equivalent jobs, and trained 3,607 farmers in agriculture related activities
- Contributed to the development of a rangeland law
- Conducted a rangeland survey
- Institutionalized three rangeland management technologies within MAIL
- Established 200 hectares of new orchards and provided training on land preparation, layout, and planting techniques for 895 farmers

GHOR PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, improved irrigation, and training.

Current Activities:

- Create gravity-fed water supply systems and the local capacity and social structures to maintain the systems
- Create new irrigation structures to help provide uninterrupted or increased irrigation water to village farms in three districts
- Increase the pilot soil and watershed conservation areas in nine villages to increase hectares under sustainable rehabilitation

- Established 29 veterinary field units and trained 32 para-veterinarians, who have delivered more than 3.6 million vaccinations and medications
- Established 20 private, full-service AgDepot farm stores that provide agriculture supplies and services to support key licit crops and animal health
- Installed an AgNet Internet communications system and weather station in the provincial MAIL office, providing access to the National Agriculture Information System database
- Trained the provincial AgNet officer, who now collects and transmits local weather, market price, and agricultural production information to ministry headquarters and local farmers



Agriculture by Province

- Restored watersheds in 30 communities across four districts on marginal lands prone to erosions and steep hillsides, improving economic productivity and land management
- Conducted a feasibility study and water exploration drilling for the construction of a water system for Ghor's capital, which was thought to have the potential to provide adequate well water
- Constructed 100 wells to provide clean, safe water
- Facilitated the cultivation of 195 hectares of alternative crops to increase food production and reduce dependence on poppy
- Surveyed, designed, and built thirteen village water systems so that a total of 2,300 households now have access to clean spring water within 250 meters of their homes
- Provided training in plumbing and masonry for proper maintenance, and in the equitable and sustainable use of the water systems
- Trained 1,900 women in hygiene-related practices and knowledge
- Created 23 soil and watershed conservation areas in five districts that included training on using simple and available technology to rehabilitate more than 530 hectares of over-grazed and heavily eroded land
- Contributed to the development of the rangeland law
- Trained Kuchi leaders in peace and negotiation methods

HILMAND PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increasing Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID is preparing farmers to participate in a modern agricultural economy through veterinary services, improved water management, training, and contract farming.

Current Activities:

- Provide credit to commercial farmers for the purpose of purchasing agricultural inputs such as seeds, fertilizers, and animal feed
- Expand the coverage area of the Farm Service Center (FSC) to reach new farming communities.
- Enhance the FSC by establishing a demonstration greenhouse and adding greenhouse development materials to the FSC inventory
- Provide technical assistance and technical training to area farmers
- Provide technical assistance to farmers to enhance their capacity for orchard management
- Provide technical assistance to poultry and kitchen garden beneficiaries to enhance their capacity in poultry management
- Improve the quality of grapes through vineyard trellising

Accomplishments:

Created jobs and income-generating opportunities through cash-for-work projects for more than 60,000
people (provided more than \$9 million in wages that included labor-intensive irrigation canal cleaning and
repair and improving tertiary roads to provide access along the value chain



Agriculture by Province

- Improved market access for approximately 25,000 farmers by rehabilitating seven kilometers of farm-tomarket roads
- Distributed more than 27,000 chicks and almost 11,000 kg of feed to five local distributors
- Increased farmers' agricultural skills through nearly 800 demonstration training plots
- Established self-sustaining veterinary field units, which provided more than one million vaccinations and more than 10.000 medications to livestock
- Irrigated more than 50,000 hectares of land through the rehabilitation of 2,000 km of irrigation and drainage canals to improve farmers' access to water for their crops
- Supported 1,240 local farmers through agriculture vouchers for orchard and vegetable crop diversification, improved corn production, and irrigation and orchard maintenance
- Provided small grants to support farmers' cooperatives and farmer associations approved by the provincial Directorate of Agriculture, Irrigation and Livestock
- Distributed 549,300 fruit tree saplings and grape vines, along with 200 metric tons of fertilizer to 1,240 farmers, and improved 248 hectares of irrigated land across four districts
- Used vouchers that required the farmers to pay 15 percent of the cost of the materials
- Trained 70 master farmers who trained 1,220 farmers in the safe use of pesticide and insecticide in four districts
- Installed 23 greenhouses and drip irrigation systems and introduced farmers to new vegetable crops
- Produced 222,000 broiler chicks, 315,000 layer chicks, upward of 20 million table eggs, 334,000 kilograms of meat, and 449,000 kilograms of poultry feed through the Hilmand Poultry Project
- Developed 62 commercial growing operations and introduced appropriate poultry feeding, health care, bio-security, and business management practices throughout the value chain through the Hilmand Poultry
- Established the Hilmand FSC that provides agricultural inputs and services, and has produced sales of \$1.2 million and created 51 full-time equivalent jobs
- Approved a loan of \$242,000 to the Hilmand FSC to extend credit to small commercial farmers
- Trained 2,800 farmers in agriculture related activities
- Assisted 525 individuals with loan guarantees that increase
- Contributed to the development of a new rangeland law
- Trained Kuchi leaders in conflict resolution
- Supported the provincial Kuchi Shura
- Established 323 hectares of new orchards and training on land preparation, layout, and planting techniques for 1,459 farmers
- Established 50 kitchen gardens and 25 poultry units to expand the role of woman role in food production

HIRAT PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.



Agriculture by Province

Summary: USAID is preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, market links, and training. USAID also promotes natural resource and biodiversity conservation in Hirat Province.

Current Activities:

- Develop a student farm or land laboratory to improve the learning environment for existing activities and provide teachers with research opportunities
- Develop laboratory exercises for all lab appropriate courses
- Support teachers in updating courses, developing course syllabi, developing laboratory exercises connected to lecture material, and purchasing needed supplies, equipment, and reference material
- Provide income to women via poultry raising
- Provide increased livelihood sustainability via improved wheat production
- Provide income to farmers via off-season production in greenhouses
- Identify appropriate agricultural technologies to increase agricultural productivity in areas subject to seasonal drought and high risks of land degradation, deforestation, or loss of biodiversity
- Establish demonstration plots of wheat crop using water conservation technologies in Enjil District
- Provide technical assistance in irrigation and agricultural production technologies to staff members of MAIL, universities, and agricultural vocational schools

- Rehabilitated 2,100 canals and 102 protection walls, established erosion controls and spillways, and improved water supplies in partnership with the Injil Water User Association
- Established more than 650 greenhouses, with more than 155 replicated by farmers after training, and 1,282 demonstration plots
- Improved nursery and greenhouse management and established seed storage facilities
- Distributed 100 greenhouses during spring 2008 to farmers from all districts enabling year-round cultivation of licit crops
- Established a Women Conservation Corps to provide income-generating opportunities for marginalized and vulnerable groups of Afghan society that provided 2,612 days of employment to workers, who planted more than 50,000 flowers
- Partnered with MAIL and the Afghanistan International Chamber of Commerce to host the Hirat AgFair for more than 20,000 participants (the fair boosted private-sector agriculture initiatives, educated farmers on modern farming techniques, and raised the profile of MAIL)
- Trained more than 2,000 farmers in melon fly control
- Installed an AqNet Internet communications system and weather station in the provincial MAIL office, providing access to a government database that supplies market, growing, and weather information to
- Supported the establishment of 63 veterinary field units and trained 66 para-veterinarians
- Trained National Environmental Protection Agency officials on participatory natural resources management topics, which included encouraging cultural leaders to incorporate environmental messages into their communications with the public
- Trained 43,000 individuals in modern agriculture practices, such as crop cultivation methods, use of fertilizer, irrigation, weeding, and pest and disease management
- Developed a student demonstration farm including poultry and large animal facilities and adjacent forestry and forage areas
- Developed laboratory exercises used by professors and students



Agriculture by Province

- Equipped an internet lab for student use
- Supported nine faculty members in obtaining a master's of science. degree from India and Purdue University
- Completed 12 karez and canal rehabilitation activities in Shindand District bringing 8,000 additional hectares of land under irrigation, benefitting 117,500 people and creating 5,600 jobs
- Established 71 demonstration plots of forage crops
- Trained 71 farmers and four Afghanistan government extension agents in forage production technologies using pearl millet variety
- Contributed to the development of the rangeland law on behalf of herders
- Conducted rangeland survey
- Trained Kuchi leaders in peace and negotiation methods
- Supported provincial Kuchi Shura
- Conducted poultry distributions to more than 1,390 resource-poor women
- Supported honey production
- Worked with local resource poor farmers to make improved wheat seeds more widely available

JAWZJAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: The USAID-funded Accelerating Sustainable Agriculture Project in Jawzjan has focused on helping farmers to develop a dynamic agricultural economy capable of adapting to market forces through support of market linkages, improved farm technology, and enhanced agri-business associations.

Current Activities:

- Provide agricultural training in annual crops using improved methods of cultivation to increase yields over previous methods
- Develop the silkworm and wool training market for women
- Strengthen the network of agricultural retailers to ensure the sustainable availability of high-quality inputs
- Develop extension services able to improve basic orchard management
- Introduce trellising for grapevines, including subsidized sales of concrete posts by manufacturers
- Support veterinary field units (VFUs) to deliver animal health services such as vaccinations and medications and train herders on herd health packages
- Conduct veterinary courses for VFUs
- Establish milk collection and processing centers with women farmers
- Train women on improved cattle management

- Established nine VFUs and trained 10 para-veterinarians
- Conducted two workshops to increase farmers' agricultural knowledge and to promote direct linkages between food brokers and farmers



Agriculture by Province

- Improved farm-to-market transportation by rehabilitating or constructing 62 km of secondary roads
- Established 11 private full-service AgDepot farm stores that provide agriculture supplies and services to support key licit crops and animal health
- Trained 380 individuals on best agricultural practices and natural resource management, distributed 4,500 storybooks and other promotional materials, planted 14,000 trees, and helped form 40 village environmental committees
- Distributed more than 8,000 seed and fertilizer vouchers to farmers
- Created 10 community-based nurseries, 30 private nurseries, and 20 forest-based nurseries to provide farmers with licit income-generation resources and to create a source of reforestation materials
- Supported the Greening Afghanistan Initiative through the establishment of nurseries, planting trees, and training on community land management for 420 Afghan farmers
- Established the National Agricultural Information System database, linked to internet communication systems in AgNet offices, which provides MAIL staff with access to weather, market price, and agricultural production information
- Approved a line of credit to the Islamic Investment and Finance Cooperative Group to support farmers with agricultural inputs
- Conducted a rangeland survey
- · Contributed to the development of the rangeland law
- Trained Kuchi leaders in peace and negotiation methods and conflict resolution
- Institutionalized three rangeland management technologies within the Ministry of Agriculture
- Established 11 VFUs, providing animal health services on a sustainable commercial basis
- Provided training to 27,390 farmers on melon fly control
- Constructed a water storage pond that provides potable water for at least 300 households at Mardyan District

KABUL PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by improving farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID's agricultural work has focused on helping farmers to develop a dynamic agricultural economy capable of adapting to market forces through support of market linkages, improving farm technology and enhancing agri-business associations. USAID also focuses on improving collaboration between and capacity building within MAIL, the National Environment Protection Agency (NEPA), and provincial level government officials in order to create and improve upon economic opportunities related to biodiversity and natural resource conservation.

Current Activities:

• Improve collaboration between government ministries and agencies to enhance the government's overall ability to protect and conserve valuable wildlife habitat in the country



Agriculture by Province

- Assist the Afghan government in the development of laws to regulate wild species, hunting, and the
 protection of endangered species, and help the government fulfill international obligations under the
 Convention on Trade in Endangered Species
- Provide training in natural resource conservation and sustainable land management to government officials and community members
- Provide agriculture education opportunities to students and faculty members to include capacity-building
 of faculty members primarily focused on curriculum development, establishment of research farms for
 students, offering of English language courses, and provision of laboratory equipment
- Support 16 private full-service retail level AgDepot farm stores that provide agriculture supplies and services to support key licit crops and animal health
- Advise MAIL on infrastructure establishment in Band-e-Amir National Park
- Provide loans to financial and non-financial intermediaries, who then on-lend these funds to farmers and agribusinesses
- Assist merchants in testing new marketing channels for fresh grapes through refrigerated shipments to Delhi, Dubai, and Karachi

KANDAHAR PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on quick impact, agriculture stabilization components such as subsidized seed packages, cash for work and small grants, and also longer term improving value added processing facilities public works and infrastructure while developing agribusiness clusters and associated income-generating activities to accelerate business development.

Current Activities:

- Train Kuchi leaders in peace and negotiation methods
- Conduct technical training for 200 pomegranate producers in integrated pest management and orchard management
- Establish linkages between traders association and international buyers; facilitate exports to Germany, UAE, India, Pakistan, and Holland
- Expand the coverage area of the farm service center to new areas
- Provide technical assistance to farmers to enhance their capacity for orchard, poultry, and garden management
- Improve the quality of grapes through vineyard trellising
- Establish post harvest training for the farmers engaged with grapes and pomegranate products
- Assist merchants the trail grape and pomegranate shipments to Australia, India, Dubai, and EC markets
- Apply the pomegranate and grape value chain program to improve the product quality, grading, packing, packaging, pre-cooling, transporting, and marketing of grapes and pomegranates in new international markets



Agriculture by Province

KAPISA PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs such as fertilizer and through the expansion of effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on helping farmers develop a dynamic agricultural economy capable of adapting to market forces through support of market linkages and improved farm technology.

Current Activities:

Establish a farm service center

Accomplishments:

- Exported 1,000 kg of pomegranates to India to promote the fruit to consumers, wholesale buyers, and the India International Trade Fair
- Established nine private full-service AgDepot farm stores that provide agriculture supplies and services to support key legal crops and animal health
- Installed an AgNet Internet communications system and weather station in the provincial MAIL office, providing access to the National Agriculture Information System database and trained AgNet technicians, who collect and transmit local weather, market price, and agricultural production data to ministry headquarters and local farmers
- Established and continues to support 14 veterinary field units including in-service training to 17 paraveterinarians, providing over one million life-saving vaccines and other medications and treatments to animals
- Distributed seed and fertilizer vouchers to approximately 11,000 famers
- Trained nine Afghan government officials from MAIL, the National Environmental Protection Agency, and other related organizations on community-based natural resource management practices
- Established 22 woodlots, four nurseries, and 50 fruit orchards; planted 248,800 trees and cuttings; planted 1,700 fruit rootstocks; trained 334 individuals on orchard, fruit nursery, and forestry management; and created 87 full-time equivalent jobs
- Contributed to the development of the rangeland law
- Trained Kuchi leaders in peace and negotiation methods and conflict resolution

KHOST PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural inputs, irrigation, veterinary services, finance, and training.



Agriculture by Province

Current Activities:

- Train Kuchi leaders in peace and negotiation methods
- Provide regular technical assistance to orchard beneficiaries in order to enhance their capacity for orchard management

Accomplishments:

- Trained para-veterinarians and established one self-sustaining veterinary field unit in the province
- Established 22 hectares of orchards
- Improved agriculture infrastructure through the rehabilitation of irrigation systems and farm-to-market roads in order to increase agricultural productivity and sales
- Contributed to the development of a rangeland law
- Supported the provincial Kuchi Shura
- Established 232 hectares of new orchards for 580 farmers
- Trained 1,726 farmers on land preparation, layout, and planting techniques

KUNAR PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on enabling farmers to transition from subsistence to surplus farming through providing seeds and fertilizers, livestock development, training, and improved irrigation and market infrastructure.

Current Activities:

- Provide credit to commercial farmers for the purpose of purchasing agricultural inputs such as seeds and fertilizers
- Identify appropriate agricultural technologies to increase agricultural productivity in areas subject to seasonal drought and high risks of land degradation, deforestation, or loss of biodiversity
- Expand the farm service center machinery services coverage area to include Narang and Sarkano districts
- Train Kuchi leaders in peace and negotiation methods
- Provide technical assistance to orchard beneficiaries in order to enhance their capacity for orchard management
- Rehabilitate irrigation and repair roads
- Provide tools for demonstration orchards that will be used for training

- Approved a loan of \$312,000 to Kunar Farm Service Center to extend credit to small commercial farmers
- Contributed to the development of a rangeland law
- Developed skills and created employment opportunities through cash-for-work projects, which led to increased agricultural production and improved linkages between rural communities and regional market centers



Agriculture by Province

- Distributed \$557,000 in wages on nine cash-for-work projects
- Distributed seeds and fertilizer to more than 13,900 famers
- Employed 110 people from rural areas through two cash-for-work projects
- Established 70 demonstration plots and four village-based seed enterprises, and provided practical training to more than 830 farmers
- Established 88.2 hectares of new orchards and provided training on land preparation, layout, and planting techniques for 396 farmers
- Established a farm service center that provides agricultural inputs and services, and has produced sales of \$2.5 million, created 28 full-time equivalent jobs, and trained 2,600 farmers in agriculture related
- Established five hectares of orchards and two demonstration vineyards
- Established one private full-service AgDepot farm store that provides agriculture supplies and services to support increased licit crop and livestock production as well as animal health benefitting 2,500 rural households, trained 1,300 individuals, increased sales by \$352,200, and created 21 full-time equivalent iobs
- Established orchards for 480 farmers through voucher distribution with 30,000 stone fruit, citrus, pomegranate, persimmon, and apple trees planted on 91 ha land
- Established three commercial demonstration farms and 30 small demonstration plots, which reached more than 1,600 farmers with training related to modern crop production practices
- Established two demonstration plots of wheat and rice
- Established two orchards on 49 hectares of land and distributed more than 19,700 of fruit and nut trees to more than 50 farm families
- Established two vineyard experimental trials to find adoptable and productive grape varieties
- Funded nine extensive wheat seed and fertilizer distribution projects, reaching 12,800 farmers who received nearly 1,300 metric tons (MT) of improved wheat seeds and fertilizers
- Funded six agriculture marketing and production support projects, including the distribution of 570 MT of high-yield vegetable seeds and fertilizers to 15,000 farmers in 130 villages
- Improved 56 km of roads and constructed or rehabilitated 101 km of irrigation structures, which provided improved irrigation to 5,420 hectares of land and 3,600 men and women from rural communities, who earned \$1.2 million in wages
- Distributed improved vegetable seeds to help intercrop 22 orchards
- Planted 14,000 trees to improve the environment and expand commercial forestry opportunities.
- Promoted healthy livestock through the establishment of one veterinary field unit and support of an avian influenza detection and outbreak management program and a livestock management program
- Provided improved vegetable seeds, fertilizer, and technical assistance for 5,600 farmers to increase productivity, improve farm-gate quality, and increase access to agricultural markets
- Provided training to more than 130 farmers and agriculture workers in crop production, post-harvest handling, packaging, and marketing for okra, tomato, eggplant, cucumber, and watermelon
- Provided vocational training opportunities for 90 disabled and vulnerable women to enable them to obtain employment, earn an income, and become more financially secure
- Rehabilitated government-owned nurseries in Mundakole and Ama districts
- Supported 10 women-owned micro-businesses through a business mentorship program that includes small shops and a flour-selling enterprise in Asadabad, Noorgal, and Chawkay districts
- Supported the construction of a Directorate of Agriculture, Irrigation and Livestock demonstration/training center and the Asadabad City Mundakole Nursery
- Supported the provincial Kuchi Shura



Agriculture by Province

Trained 27,000 farmers in modern agricultural practices and 750 men and women in business skills

KUNDUZ PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, improved irrigation, and training.

Ongoing Activities:

- Identify appropriate agricultural technologies to increase agricultural productivity in areas subject to seasonal drought and high risks of land degradation, deforestation, or loss of biodiversity
- Build roads and irrigation, and construct flood protection
- Train farmers on commercial vegetables, oilseeds, rice, feed crops, high-value crops, grapes, timber, fruit
 and nut orchards and nurseries, and improved livestock practices
- Increase the economic viability and capacity of agricultural related input supplier businesses

- Repaired flood damage and installed flood protection for Khanabad Dam and rehabilitated Chardar Canal to provide a consistent water supply to farmers
- Funded a micro-credit institution to extend loans to agribusinesses, enabling growth in the agriculture and commercial sectors
- Installed an AgNet Internet communications system and weather station in the provincial MAIL office, providing access to the National Agriculture Information System database
- Trained the provincial AgNet officer, who now collects and transmits local weather, market price, and agricultural production data to ministry headquarters and local farmers
- Increased economic opportunities for 5,300 women through poultry production and management training, and built market linkages to sell surplus eggs
- Distributed seed and fertilizer vouchers to more than 55,000 farmers
- Improved farm practices, including use of improved seed varieties and fertilizer, adoption of greenhouse technology, grain post-harvest storage and processing, and improved irrigation and crop management
- Established village-based seed enterprises to produce reliable seeds for food production
- Rehabilitated 55.9 km of primary and secondary roads in Imam Sahib District and 24 km of secondary roads in Khan Abad District to improve farm-to-market access
- Rehabilitated 60 km of irrigation canals to provide farmers with water needed to produce healthy crops
- Established the Kunduz Flour Mill, which now processes wheat provided by approximately 6,000 farmers
- Trained 29 Afghan government officials from the MAIL, the National Environmental Protection Agency, and other related organizations on community-based natural resource management practices
- Provided off-farm business skills trainings to 477 individuals working in different micro-enterprises
- Constructed a dairy processing plant, operated by the Dairy Farmers Association, which strengthened the province's dairy industry and provides nutritious food for citizens



Agriculture by Province

- Established 11 veterinary field units, delivering more than three million vaccinations and other medications for livestock
- Established the Afghan Cashmere Supply Company to promote the cashmere trade, which has a regional office in Kunduz
- Brought 286,000 hectares of land under improved natural resource management and trained 63 staff of the provincial Agriculture Department and Kuchi herders in natural resource management as part of an ongoing natural resource management initiative
- Trained 17 para-veterinarians
- Co-hosted Kunduz Province's first Agriculture Trade Fair in June 2008 for 35,000 participants, bringing buyers and sellers together to increase sales of Afghan agricultural products and services

LAGHMAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on enabling farmers to transition from subsistence to surplus farming through the provision of seeds and fertilizers, livestock development, improvement of irrigation and market infrastructure, and training.

Current Activities:

- Identify appropriate agricultural technologies to increase agricultural productivity in areas subject to seasonal drought and high risks of land degradation, deforestation, or loss of biodiversity
- Establish demonstration plots of wheat crop
- Provide technical assistance and technical training to farmers
- Provide orchard development and training in perennial crops
- Improve production of quality high-value produce, train an estimated 3,000 farmers
- Provide technical assistance to farmers to enhance their capacity for orchard management

- Constructed or rehabilitated 15 canals and 19 flood protection walls to provide improved access to irrigation for more than 6,860 hectares of land
- Established one full-service farm store that continues to provide agriculture supplies and services to support licit crops and animal health, and has benefitted 3,102 rural households, trained 1,780 individuals, created 20 full-time equivalent jobs, and increased sales by \$838,000
- Constructed or rehabilitated 37 km of farm-to-market roads, decreasing transport time for farmers and providing employment and training for local workers
- Implemented one road project that employed 103 men
- Trained more than 768 women to maintain the health of their livestock and continue to provide veterinary services
- Trained 348 farmers in modern agriculture practices on commercial and small demonstration farms



Agriculture by Province

- Promoted livestock health through support of avian influenza detection and outbreak management, support of a livestock management program, and establishment of one self-sustaining veterinary field unit
- Developed skills and created employment opportunities through cash-for-work projects for more than 11,460 men and women, providing more than \$3 million in wages.
- Modernized market intelligence systems using e-mail, the Internet, and cell phones, which continue to provide agriculture information for five regional markets through both daily reports to thousands of subscribers and text messages to people requesting price information
- Provided improved vegetable seeds, fertilizer, and technical assistance to 3.100 farmers to increase productivity, improve farm-gate quality, and increase access to agricultural markets
- Distributed seed and fertilizer vouchers to 53,300 famers
- Established three orchards on 560 hectares of land and distributed 173,900 of fruit trees to approximately
- Provided high-yield vegetable and wheat seeds, as well as fertilizer, to more than 47,300 farmers
- Provided training to 108 farmers and farm laborers on crop production, post-harvest handling, packaging, and marketing for okra, tomato, eggplant, cucumber, and watermelon
- Established 70 demonstration plots and four village-based seed enterprises, as well as provided practical training to more than 400 farmers
- Trained 1,480 Afghans in business management skills and provided additional off-farm business skills training to 143 individuals working in different micro-enterprises
- Provided vocational training for more than 90 disabled and vulnerable women to enable them to obtain employment, earn an income, and become more financially secure
- Helped women establish their own businesses, including canteens, bakeries, women's apparel stores, beauty parlors and small shops
- Established three commercial demonstration farms and 32 small demonstration farms that have provided training related to modern crop production practices for thousands of farmers
- Installed 16 farm turnouts
- Established the Laghman Farm Service Center that provides agricultural inputs and services, and has produced sales of \$3.4 million and created 21 full-time equivalent jobs
- Trained 3,400 farmers in agriculture related activities
- Benefited 26 individuals through financial agreements
- Contributed to the development of the rangeland law on behalf of herders
- Trained Kuchi leaders in peace and negotiation methods
- Supported provincial Kuchi Shura
- Assisted 17,000 farmers through voucher programs
- Facilitated sorting, grading, improved packing, and export documentation for more than \$500,000 worth of onion exports for local farmers
- Distributed improved vegetable varieties through voucher programs to 7,600 farmers
- Established 10 hectares of new orchards and provided training on land preparation, layout, and planting techniques for 35 farmers

LOGAR PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture,



Agriculture by Province

Irrigation, and Livestock's capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID prepares farmers to participate in a modern agricultural economy through crop revitalization, livestock development, improvement of irrigation and roads, and training.

Current Activities:

- Train Kuchi leaders in peace and negotiation methods
- Renovate a farm service center showroom
- Provide technical assistance and technical training to the farm service center extension team, Afghan government extension staff, and area farmers
- Establish a farm service center
- Provide technical assistance to farmers to enhance their capacity for orchard management
- Improve quality of grape harvest through vineyard trellising
- Apply the grape value chain approach to improve the product quality, grading, packing, packaging, precooling, transporting and marketing of grapes, apricots, apples, and pomegranates in new international markets

Accomplishments:

- Improved irrigation, rehabilitated roads, and provided training to rebuild agricultural markets
- Established 69 woodlots; planted 919,686 and cuttings; trained 1,334 individuals on orchard, fruit nursery, and forestry management
- Brought 41 hectares of land under improved natural resource management, resulting in 79 full time equivalent jobs and increased sales of licit farm and non-farm products by \$68,000
- Established 16 private, full-service AgDepot farm stores that provide agriculture supplies and services to support key legal crops and promote improved animal health
- Promoted livestock health by establishing a veterinary field unit that provides vaccinations and medical care
- Rehabilitated and developed one dam to provide a reliable water supply for farmers
- Funded five training sessions to increase agricultural output and local knowledge of modern agricultural practices
- Supported the revitalization of local vineyards to boost agricultural capacity
- Established 10 demonstration plots for forage crops in Puli Alam and Mohammad Agha districts and trained 10 farmers and two extension agents in forage crop production technologies
- Contributed to the development of the Rangeland Law on behalf of herders
- Supported the provincial Kuchi Shura
- Established 70.4 hectares of new orchards and provided training on land preparation, layout and planting techniques for 252 farmers
- Exported 28 MT of fresh grapes using improved packaging techniques to Islamabad

NANGARHAR PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture,



Agriculture by Province

Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on enabling farmers to transition from subsistence to market-oriented farming through the provision of seeds and fertilizers, livestock development, improvement of irrigation and market infrastructure, and training.

Current Activities:

- Provide accessible and affordable seeds and fertilizer to promote the production of wheat and other staple food crops, as well as to reduce dependence on poppy
- Improve production of quality high-value produce, train farmers and extension workers, and strengthen MAIL's national extension and research program
- Create full-time equivalent jobs with new land cultivated
- Install farm turnouts to develop an efficient and equitable community-based irrigation water resource distribution and management system which will lead to improved agricultural productivity
- Provide agriculture information via e-mail, the internet, and cell phones for five regional markets, using daily reports through market intelligence systems for thousands of subscribers and text messages to people requesting price information
- Produce and broadcast radio programs that provide an accessible and interactive forum for farmers to learn about modern management techniques for a variety of agriculture and livestock products
- Strengthen commercial agriculture opportunities for women through the continued support of a womenowned fish farm and four women-owned dairy cooperatives that produce and sell Spinghar Paneer, a brand of cheese developed with USAID support
- Establish small-scale layer poultry farms and small-scale vegetable gardening plots to enhance women's role and participation in the agricultural sector
- Rehabilitate more than 100 km of irrigation, and repair 10 km of roads, which is expected to generate 20,150 full-time equivalent jobs, impact 5,100 ha of crops, and benefit more than 40,000 families
- Develop the poultry value-chain through creation of jobs for breeder farms, hatcheries, commercial poultry farms, and small, women-owned layer farms
- Leverage private investment of upwards of \$500,000 in local poultry value chains
- Provide agriculture education opportunities for students and faculty members of Nangarhar University by developing curriculum through strengthening the capacity of the faculty members, providing farm research activities, and demonstration plots for students and faculty
- Conduct capacity-building activities on efficient and equitable use of water for irrigation, such as
 demonstrations on different types of irrigation systems and measuring water available for irrigation,
 complemented by classroom and on-farm training on improved agriculture technologies for MAIL and
 Ministry of Energy and Water staff, students, and faculty members of Nangarhar University, and members
 of the mirab (collective water-management system)

- Supported agriculture and agribusiness initiatives, incorporated more than 50,300 hectares into licit agricultural production, and generated approximately 11,500 full-time jobs directly affecting 66 percent of the households
- Constructed or rehabilitated 154 canals, 108 flood protection walls, 10 reservoirs, and two drainage systems to provide improved access to irrigation for 121,700 hectares of land



Agriculture by Province

- Provided improved vegetable seeds, fertilizer, and technical assistance to approximately 156,000 farmers to increase productivity, improve farm-gate quality, and build market networks
- Helped establish 140 women-owned businesses, including bakeries, beauty parlors, apparel shops, oil
 and flour selling enterprises, and small shops through a business mentorship program
- Hosted three Agriculture Trade Fairs (AgFairs) for 30,000 participants, bringing buyers and sellers together to increase sales of Afghan agricultural products and services
- Renovated the Jalalabad wholesale market, where 160 fruit and vegetable wholesalers trade approximately \$30 million of fresh produce annually, resulting in a 30 percent increase in market traffic, increased sales for local farmers and traders, and substantial improvements in hygiene
- Established the Sukhrod Vegetable Packing Facility, operated by a group of women trained in quality control and food safety, that provides grading, packing, and refrigeration services for traders supplying high-end buyers in Dubai, India, Kuwait, and Kabul, while giving women skills to participate in the region's economy
- Supported the development of the poultry sector, which has expanded significantly
- Installed 41 farm turnouts (concrete cement frames with leak-proof lids which enable farmers to control
 the flow of water to their fields) that save time, labor, and water losses and thus improve the irrigation
 water supply to farms
- Trained approximately 200 staff members of the Afghan government, universities, and vocational schools in irrigation and agricultural production technologies
- Distributed more than \$1.1 million in wages on 29 cash-for-work projects
- Supported more than 8,200 farmers through voucher programs (receiving agricultural inputs at a 50 percent cost) and field training days at demonstration farms throughout Nangarhar Province
- Supported the growth of 100 ha of wheat for seed replication for sale to farmers in the next wheat season, making a high yielding, local variety of wheat seed readily available for the province

NIMROZ PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, improved irrigation, and training.

Current Activities:

Establish a farm service center

- Supported a livestock management program in three districts and trained more than 760 rural women in small livestock care
- Trained 1,344 herders in cashmere harvesting and provided them with the combs needed to obtain cashmere from their goats
- Distributed 3,031 radios to provide access to agricultural extension service broadcasts for farmers and traders



Agriculture by Province

- Improved access to irrigation in Nimroz through the construction or rehabilitation of 13 canals and 14 flood protection walls
- Provided high-yield vegetable and wheat seeds, as well as fertilizer, to farmers
- Trained 215 farmers in modern crop production practices to increase crop yield and local income
- Contributed to the development of the rangeland law
- Trained Kuchi leaders in peace and negotiation methods

NURISTAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by improving farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages among farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and better irrigation infrastructure. Also, to raise Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers and community members to participate in a modern agricultural economy through improved irrigation, agricultural opportunities, veterinary services, forestry and wildlife conservation and training.

- Constructed or rehabilitated 14 km of farm-to-market roads, decreasing transport time and reducing postharvest losses for farmers, as well as providing employment and training for local laborers
- Developed skills and created employment opportunities through cash-for-work projects for nearly 800 men and women, providing \$413,000 in wages
- Planted 4,000 walnut trees, 50 hectares of apple trees, and more than 170,000 fruit tree and nut saplings covering 652 hectares to promote long-term growth of licit fruit crops and restore many of Nuristan's orchards and agricultural lands that were badly damaged over decades of war
- Provided high-yield vegetable and wheat seed, as well as fertilizer, to more than 4,000 farmers to improve the quality of crops and promote licit means of livelihood
- Launched training programs to strengthen commercial agricultural opportunities, increase farmers' agricultural knowledge, and promote direct linkages between food brokers and farmers
- Developed several women-focused programs, training 75 women in Parun on handicraft production and marketing, as well as employing women in the rehabilitation of local nurseries
- Trained 22 Afghans in business management skills and best practices
- Revitalized Nuristan's forests by planting approximately 4.8 hectares of conifer forest
- Trained government staff and local residents in community forest management
- Increased citizens' ability to protect their environment and natural resources through environmental education materials; provided training and educational materials to eight teachers and more than 400 students
- Protected Nuristan's wildlife through surveys and training, surveying approximately 105,000 hectares for wildlife habitat areas and species identification
- Established the Western Nuristan Dairy Association to serve as the voice of the dairy sector
- Completed a natural resources assessment for five districts focusing on the supply-and-demand of natural resources



Agriculture by Province

- Improved farm animal health through animal husbandry training in Waygal, Wama, and Nurgram districts, addressing feeding, care, disease identification, and vaccinations
- Assessed the economic viability of goat cheese and cashmere production in the province
- Established one commercial-size and five small farms/resource centers in one district for use as a training ground for 331 people on agriculture and livestock topics
- Distributed packages of improved varieties of vegetable seeds with marketable attributes and fertilizer to 501 farmers in Waygal District
- Rehabilitated 133 hectares of upper watershed land through the establishment of terraces in Nurgram District that constructed 35 small check dams of 150 cubic meters, created 37,340 days of employment for 400 people, and paid \$149,360 in wages
- Trained 60 foster moms in nursery management
- Constructed a 3.5 km road that employed 234 skilled and unskilled laborers
- Established one commercial-size and five small farms/resource centers in one district that trained 331 people on agriculture and livestock topics

PAKTIKA PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved irrigation, agricultural opportunities, veterinary services, and training.

Current Activities:

- Train Kuchi leaders in peace and negotiation methods
- Provide regular technical assistance to orchard beneficiaries in order to enhance their capacity for orchard management

Accomplishments:

- Trained para-veterinarians and established nine veterinary field units
- Rehabilitated two canals and two dams to provide a reliable water supply to farmers
- Facilitated the integration of water resource management into the rehabilitation of upper watersheds and natural resource management activities
- Established 14 hectares of orchards
- Registered 35 farmers with 14ha of land for orchard establishment
- Provided seven training sessions to strengthen commercial agricultural opportunities
- Distributed seed and fertilizer to local farmers
- Contributed to the development of a rangeland law
- Established 406 hectares of new orchards and provided training on land preparation, layout, and planting techniques for 1,194 farmers

PAKTYA PROVINCE



Agriculture by Province

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through veterinary services, irrigation, and training.

Current Activities:

- Apply the grape value-chain approach to improve product quality and subsequently increasing the marketing grapes in new international markets
- Train Kuchi leaders in peace and negotiation methods
- Provide technical assistance to orchard beneficiaries in order to enhance their capacity for orchard management

- Provided improved access to irrigation through constructing a dam in Omna District and building an irrigation canal and flood control/protection walls
- Planted 656,000 trees and cuttings
- Established 35 woodlots
- Trained 1,800 farmers
- Converted 30 hectares of land under improved natural resource management as a model for land management
- Increased sales of legal farm and non-farm products by \$58,500
- Created 43 full-time jobs
- Established one private full-service AgDepot farm store that provides agriculture supplies and services to support key legal crops and animal health
- Trained para-veterinarians and established one self-sustaining veterinary field unit.
- Facilitated the integration of water resource management into the rehabilitation of upper watersheds and natural resource management activities
- Established 191 ha of orchards
- Provided agricultural training to strengthen commercial agricultural opportunities, increase farmers' agricultural knowledge, and promote direct linkages between food brokers and farmers
- Enhanced women's self-sufficiency in food production through training programs on how to grow kitchen gardens
- Contributed to the development of a rangeland law
- Supported the provincial Kuchi Shura
- Established 691 hectares of new orchards and provided training on land preparation, layout and planting techniques for 1,726 farmers
- Established 50 kitchen garden plots to enhance woman's role in food production- specifically the development of their skills and the subsequent economic contribution to their family needs
- Established 25 poultry units to enhance woman's role in food production



Agriculture by Province

PANJSHER PROVINCE

Goal: Increase agricultural-sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural inputs, irrigation, veterinary services, market information, and training.

Current Activities:

- Support veterinary field units
- Provide training in dried mulberry and dried apricot production and marketing to build farmers' skills and increase their earning potential
- Plant trees and establish woodlots to enhance natural resource management and improve the livelihoods of rural farmers and their communities
- Provide accessible and affordable agricultural inputs, improved seed varieties and fertilizer, and promote
 the increased production of wheat while building the capacity of the emerging private-sector seed industry
 and input supply system

Accomplishments:

- Improved access to irrigation through the construction of three irrigation canals
- Organized a road show to create linkages between Afghan farmers, traders, and the Afghan government, and to provide a venue to discuss activities, challenges, and lessons learned for 300 farmers, herders, and traders as well as government officials and other agriculture stakeholders
- Supported six private, full-service AgDepot farm stores established by USAID that provide agriculture supplies and services to support key licit crops and animal health
- Trained more than 4,800 goat herders and distributed 1,980 combs and 1,668 radios as part of a cashmere awareness campaign
- Trained 10 para-veterinarians who administer vaccines and other medications
- Distributed 110 metric tons of seed and 300 metric tons of fertilizer through a voucher system, benefitting 2.200 farmers
- Supported eight Veterinary Field Units that vaccinated 337,000 animals, treated 180,000 animals, and generated gross sales of approximately \$180,000
- Brought 58,000 hectares of land under improved natural resource management and trained 12 staff members from the provincial Agriculture Department

PARWAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.



Agriculture by Province

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural inputs, irrigation, veterinary services, market information, and training.

Current Activities:

- Identify appropriate agricultural technologies to increase agricultural productivity in areas subject to seasonal drought and high risks of land degradation, deforestation or loss of biodiversity
- Establish demonstration plots of wheat using water conservation technologies in Charikar, Bagram and Jabal-ul-Siraj
- Provide training in irrigation and agricultural production technologies to staff members of MAIL, universities, and agricultural vocational schools
- Engage an Afghan vineyard and integrated pest management specialist to conduct technical training for beneficiaries with new practical and theoretical methods
- Establish linkages among cooperative, Bagram Fruit Company, and international buyers
- Deliver training for Parwan farmers and Bagram juice and raisin plant staffs and for certification of the company
- Establish a farm service center
- Provide technical assistance and training to the province lead farmers, Afghan government extension staff, and area farmers
- Train Kuchi leaders in peace and negotiation methods
- Improve the quality of grape harvests through vineyard trellising
- Train farmers on the improved method of raisin solar drying
- Apply the grape value chain approach to improve the product quality, grading, packing, packaging, precooling, transporting, and marketing of grapes in new international markets
- Train farmers on the improved method of apricot sulfur drying

- Brought 4,000 hectares of land under improved natural resource management and trained eight staff of the provincial Agriculture Department
- Conducted a rangeland survey
- Contributed to the development of a rangeland law
- Created 91 full-time jobs
- Created linkages between raisin cooperative and international buyer resulting in the sale, processing, and delivery of 40 MT of fair-trade raisins to the United Kingdom in 2010 and similar orders in 2011
- Distributed seed and fertilizer vouchers to more than 18,000 famers
- Established 16 private full-service AgDepot farm stores that provide agriculture supplies and services to support key legal crops and improve animal health
- Established 250 demonstration plots of forage crops and trained 250 farmers and five extension agents in forage crop production technologies in Jabalul Siraj, Saidkhel, Central Parwan, Shinwari and SiaGard districts
- Established 28 veterinary field units, trained 31 para-veterinarians, and provided vaccinations and medicines for livestock
- Established 28 woodlots, four nurseries, and 49 orchards
- Established the Parwan Raisin Producers Cooperative
- Established two milk collection centers, which were handed over to farmer cooperatives in Safyan and Jabul Saraj districts



Agriculture by Province

- Increased Afghanistan's export potential by sending 2,000 kg of grapes to India for market testing and product promotion, with some lots selling at more than double their production cost
- Institutionalized three rangeland management technologies within MAIL
- Planted 250,000 trees and cuttings and 1,310 rootstocks
- Provided agricultural training and established 14 market collection centers to strengthen commercial agricultural opportunities, increase farmers' agricultural knowledge, and promote direct linkages between food brokers and farmers
- Provided technical assistance to promote improved raisin production, which has significantly improved quality control
- Purchased 4,000 chicks and equipment for a poultry farm, which, in turn, raised about 200,000 chickens that were distributed to farm owners
- Rehabilitated one raisin processing factory and constructed five collection centers in five villages in Charikar City
- Rehabilitated six canals and two dams to provide a reliable water supply to farmers
- Trained 27 Afghan government officials from the MAIL, the National Environmental Protection Agency, and other related organizations on community-based natural resource management practices
- Trained 300 grape producers in vineyard management, soil and water management, integrated pest
 management, harvest and post-harvest management; distributed various inputs including hand-rotary
 dusters, raisin drying mats, and trellising
- Trained 333 farmers in Ghorband Valley on proper apricot drying techniques using the improved methods of sulfur drying
- Trained 51 farmers on trellis installation
- Trained 576 individuals on orchard establishment and forestry management
- Trained more than 360 Kuchi and non-Kuchi leaders in conflict resolution
- Trained nine grape and raisin traders in marketing skills & post-harvest management
- Trellised 10.2 Ha of existing vineyards in 51 vineyards to improve quality of grape harvests

SAMANGAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID is preparing farmers to participate in a modern agricultural economy through livestock management and programs to boost capacity for licit agricultural activity in Samangan. In addition, USAID is providing assistance in appropriate management of the native pistachio forest in three villages in Samangan using a community-based natural resource management approach.

Current Activities:

 Preserve wild pistachio woodlands and increase rural income through community-based forestry management



Agriculture by Province

- Work with local residents to establish three community forest committees for 30 villages, covering 2,500
 hectares of pistachio woodlands (villagers have increased their revenues by 50 percent by harvesting wild
 pistachios using the forest management model)
- Support Veterinary Field Units that provide animal health services on a sustainable commercial basis and provide extension training to livestock owners
- Expand cashmere marketing and trading support and improved cashmere harvesting
- Support 12 private full-service AgDepot farm stores that provide agriculture supplies and services to support key licit crops and animal health, provide accessible and affordable agricultural inputs (improved seed varieties and fertilizer), and promote the increased production of wheat, while building the capacity of the emerging private-sector seed industry and input supply system
- Provide agricultural productivity training in annual crops for farmers to improve methods of cultivation and achieve an increase in yields over previous methods
- Provide women's silkworm and wool training and market development for women
- Strengthen the network of agricultural retailers to ensure the sustainable availability of high-quality inputs
- Develop extension services able to improve basic orchard management

Accomplishments:

- Improved Samangan's environment through natural resource management
- Brought 61,000 hectares of land under improved natural resource management and trained 10 staff of the provincial Agriculture Department
- Installed an AgNet Internet communications system and weather station in the provincial MAIL office, providing access to the National Agriculture Information System database
- Trained the provincial AgNet staff, who now collect and transmit local weather, market price, and agricultural production information to ministry headquarters and local farmers
- Develop a pistachio harvesting and marketing manual and conduct capacity-building activities with committee oversight on proper pistachio harvesting, sorting, and reforestation
- Distributed 219 metric tons of seed and 657 metric tons of fertilizer through a voucher system benefitting 4,380 people
- Trained approximately 16,000 farmers on melon fly control

SARI PUL PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, market links, and training. USAID also promotes natural resource and biodiversity conservation in Sari Pul Province.

Current Activities:

- Conduct agricultural productivity training in improved methods of cultivation
- Conduct silkworm, wool training, and market development for women



Agriculture by Province

- Complete five micro-hydro power plants (10khw each)
- Strengthen the network of agricultural retailers to ensure the sustainable availability of high-quality inputs
- Develop extension services able to improve basic orchard management
- Introduce trellising for grapevines including subsidized sales of concrete posts by manufacturers
- Support Veterinary Field Units (VFUs) to deliver animal health services such as vaccinations and medications and train herders on herd health
- Conduct veterinary courses for VFUs
- · Establish two milk collection and processing centers
- Train women on improved cattle management

Accomplishments:

- Facilitated the creation of 20 village environmental committees to oversee environmental conservation and natural resource management
- Installed and funded an AgNet Internet communications system and weather station in the provincial MAIL office, providing access to the National Agriculture Information System database that collects and transmits local weather, market price, and agricultural data to ministry headquarters and local farmers
- Established 60 fruit and forestry nurseries, including 10 community nurseries, 30 private nurseries, and 20 farm forestry nurseries
- Planted 14,000 trees and trained 380 Afghan farmers on community land and nursery management
- Raised environmental awareness in schools through the Adopt-a-Tree Program and the distribution of 4,500 storybooks about the environment
- Preserved wild pistachio woodlands and increased rural income through community-based forest management by reforesting 250 hectares of pistachio woodlands, training local residents on the establishment and maintenance of nurseries, and providing environmental education
- Contributed to the development of the rangeland law on behalf of herders
- Conducted rangeland survey
- Institutionalized three rangeland management technologies
- Trained Kuchi leaders in peace and negotiation methods and conflict resolution
- Supported nine VFUs, providing animal health services on a sustainable commercial basis
- Provided training to 14,300 farmers on control of melon fly
- Contributed to the development of the rangeland law on behalf of herders
- Conducted a rangeland survey
- Institutionalized three rangeland management technologies
- Trained 100 women in Gosfandi District in silkworm rearing

TAKHAR PROVINCE

Goal: Increase agricultural-sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID prepares farmers to participate in a modern agricultural economy through improved agricultural opportunities, veterinary services, improved irrigation, and training.



Agriculture by Province

Current Activities:

- Build roads and construct irrigation systems and flood protection
- Train farmers and government staff in commercial vegetables, oilseeds, rice, feed crops, high-value crops, grapes, timber, fruit and nut orchards and nurseries, and improved livestock practices
- Increase the economic viability and capacity of agricultural related input supplier businesses

Accomplishments:

- Contributed to the development of the rangeland law on behalf of herders
- Conducted rangeland survey
- Establish a farm service center
- Institutionalized three rangeland management technologies
- Trained Kuchi leaders in peace and negotiation methods and conflict resolution
- Completed two wash culvert super-passages projects, two dike projects on the Taloqan River, and two
 canal intakes and a gabion protection wall in Taloqan, Kalafghan, and Yangi Qala districts
- Established 959 demonstration farms for orchard and commercial crops
- Provided technical training for more than 30,300 farmers
- Provided agricultural and livestock inputs such as improved vegetable seeds, certified fruit saplings for orchards, fertilizers and pruning tools, pullets, poultry feed, wire mesh, windows, doors, balanced animal feed, bee hives, empty boxes for beekeeping with other complete tools for 316 farmers

URUZGAN PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID focuses on preparing farmers to participate in a modern agricultural economy through improved irrigation, agricultural opportunities, veterinary services, and training.

Current Activities:

- Establish a farm service center
- Provide regular technical assistance to farmers to enhance their capacity for orchard management

- Established four self-sustaining veterinary field units and provided training for staff in disease diagnosis and artificial insemination
- Provided more than 76,000 vaccinations and 83,500 medications to livestock
- Visited seven villages in Tirin Kot District, and established nurseries of almonds and apricots
- Trained 30 farmers in the use of insecticides, herbicides, fungicides, and ordenticides, and apricot and almond post-harvest practices and technologies
- To increase agricultural capacity, provided training to farmers in crop production and marketing, and developed experimental agriculture plots in four districts



Agriculture by Province

- Rehabilitated irrigation structures including the Jim Mohd and Joya Safeed canals and Kahanaka and Kijuwane flood walls to improve crop yields and decrease flooding
- Developed skills and created employment opportunities through cash-for-work projects for nearly 12,000 Afghans, providing \$2 million in wages
- Constructed or rehabilitated 27 canals, 25 karezes (irrigation systems), and 43 flood protection walls
- Provided 17,000 almond tree seedlings to farmers to create opportunities for licit agriculture in a poppy-
- Provided accessible and affordable agricultural inputs, seeds and fertilizer, to promote the production of wheat and other staple food crops, as well as to reduce dependence on poppy
- Distributed seed and fertilizer vouchers to 17,200 famers
- Distributed 60 greenhouses to 60 beneficiaries (seven female) and 160 low plastic tunnels to 80 beneficiaries (15 female) in two districts
- Distributed 90 metric tons of improved corn and mung bean seed, and 225 metric tons of urea fertilizer to 1,500 farmers to plant 1,800 hectares of land
- Distributed 4,200 T-trellises to 35 vineyard owners in three districts
- Provided agricultural productivity training on environmental and other considerations to 1,300 farmers in three districts
- Provided training to beneficiaries in poultry production and marketing activities and distributed 20,000 chickens to 50 female beneficiaries, 2,400 feeders and drinkers, and 112.5 metric tons of feed
- Contributed to the development of the rangeland law on behalf of herders
- Trained Kuchi leaders in peace and negotiation methods
- Established 104 hectares of new orchards for 445 farmers
- Trained 396 farmers on land preparation, layout, and planting techniques

WARDAK PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: The USAID-funded agriculture project that ended in 2006 focused on preparing farmers to participate in a modern agricultural economy through improved irrigation, road rehabilitation and training. The objective of the current program is to provide income generating opportunities to community farmers without depleting natural resources.

Current Activities:

- Establish a farm service center
- Provide technical assistance and technical training to MAIL extension staff and the area farmers
- Provide technical assistance to farmers to enhance their capacity for orchard management
- Train farmers on an improved apricot sulfur drying program and assist merchants on fresh apricot trail shipments to Dubai, Karachi, and Indian markets with an improved cold chain system
- Establish apple cool rooms in different areas of the province



Agriculture by Province

- Apply the apple and apricot value chains approach to improve the product quality, grading, packing, packaging, pre-cooling, transporting and marketing of apricots and apples into the new international markets
- Train Kuchi leaders in peace and negotiation methods and conflict resolution
- Expand marketing in export channels that have been recently developed

Accomplishments:

- Reconstructed a 24-meter bridge near Aga Khil
- Established 13 private, full-service AgDepot farm stores that provide agriculture supplies and services to support key legal crops and promote improved animal health
- Rehabilitated 42 km of road to provide better farm-to-market transportation
- Planted 495,000 trees and cuttings
- Established 37 woodlots
- Trained 1,107 individuals on orchard, fruit nursery, and forestry management
- Increased sales of legal farm and non-farm products by \$40,000
- Created 46 full-time equivalent jobs
- Trained 250 farmers, and as a result, their 20,000 kg of apricots sold for more than twice the price of locally produced dried apricots
- Established an AgNet Internet communications system and weather station in the provincial MAIL office, providing access to the National Agriculture Information System database
- Trained the AgNet officer, who now collects and transmits local weather, market price, and agricultural production information to ministry headquarters and local farmers
- Contributed to the development of a rangeland law
- Supported the provincial Kuchi shura
- Established 252 hectares of new orchards and provided training on land preparation, layout, and planting techniques for 1,060 farmers

ZABUL PROVINCE

Goal: Increase agricultural sector jobs and income through a) increased agricultural productivity by increasing farmer access to inputs and effective extension services; b) invigorated agribusiness by increasing linkages between farmers, markets, credit, and trade corridors; and c) rehabilitated watersheds and improved irrigation infrastructure. Also, increase Afghans' confidence in their government by increased Ministry of Agriculture, Irrigation, and Livestock's (MAIL) capacity to deliver services and promote the private sector and farmer associations through direct budget and technical assistance.

Summary: USAID is preparing farmers to participate in a modern agricultural economy through distribution of seeds and fertilizer, improved irrigation, and training. USAID has also sponsored a number of livestock management and gender-focused programs to maintain capacity for legal agricultural activity in Zabul.

Current Activities:

- Expand the coverage area of the farm service center to new areas
- Enhance the farm service center services by establishing a demonstration greenhouse and through the sale of parts to build greenhouses
- Provide technical assistance and technical training to farmers
- Train Kuchi leaders in peace and negotiation methods



Agriculture by Province

- Provide technical assistance to farmers to enhance their capacity for orchard management
- Improve the quality of grape through vineyard trellising
- · Assist Afghan merchants to export pomegranates to international destinations of Australia, India, and EC
- Educate fresh fruit merchants and farmers on cold chain system

- Installed irrigation systems and a canal protection wall to provide a reliable water supply to farmers
- Introduced three new crop varieties in the province and established micro-nurseries and orchards
- Provided training to 30 farmers and five traders to improve the quality of dried apricots resulting in the production of more than 87 metric tons of dried apricots produced
- Established one private, full-service AgDepot farm store that provides agriculture supplies and services to support key legal crops and promote improved animal health (the store and the training it provides has benefitted more than 3,000 households, provides farmers with access to modern production inputs, trained 1,077 producers, and created 11 full-time jobs)
- Established one self-sustaining veterinary field unit and four para-veterinarian units, and also trained para-veterinarians who provided disease diagnosis for 75,000 animals
- Improved cotton farming and production through the introduction of improved seed varieties and more efficient cotton gins
- Increased crop value through enhanced irrigation and greenhouse technology, better farm production practices, and marketing campaigns in Afghanistan and abroad
- Established the Zabul Farm Service Center that provides agricultural inputs and services, and has produced sales of \$584,000, created 11 full-time equivalent jobs, and has trained 1,615 farmers in agriculture related activities
- Contributed to the development of a rangeland law
- Established 123 hectares of new orchards for 652 farmers to improve the socio economic status of rural farmer's communities
- Trained 410 farmers on land preparation, layout, and planting techniques
- Trellised a 0.7 Ha vineyard demonstration plot to improve the quality of grapes